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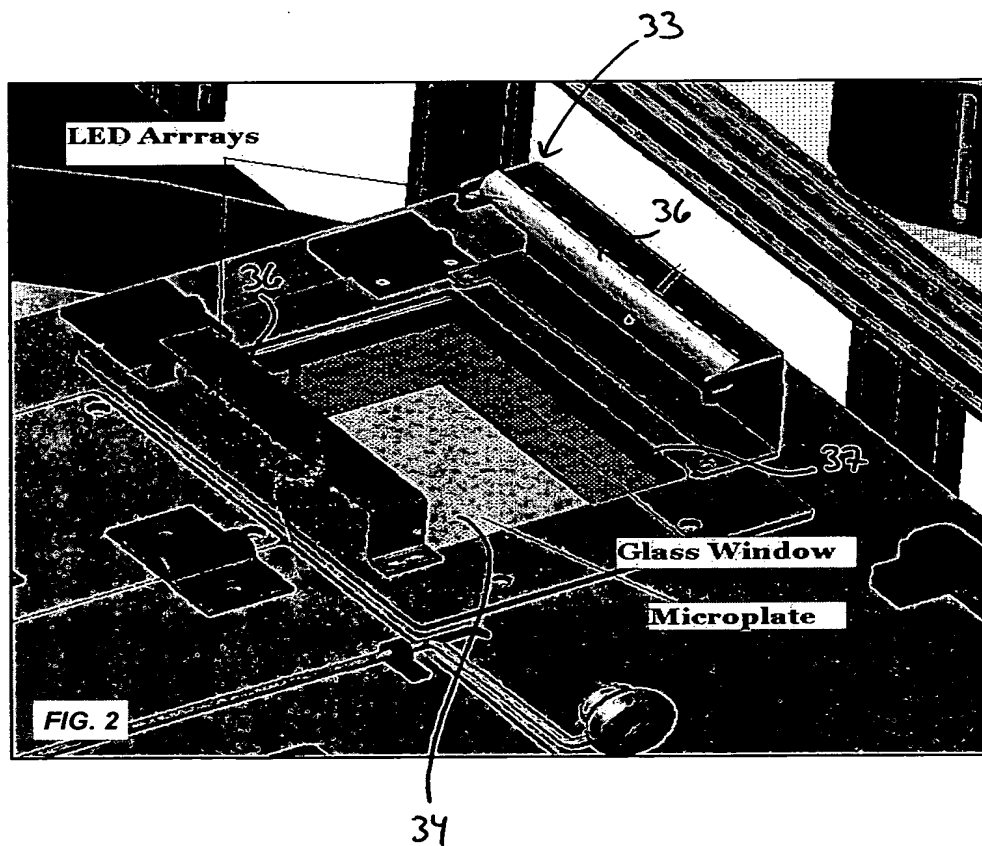
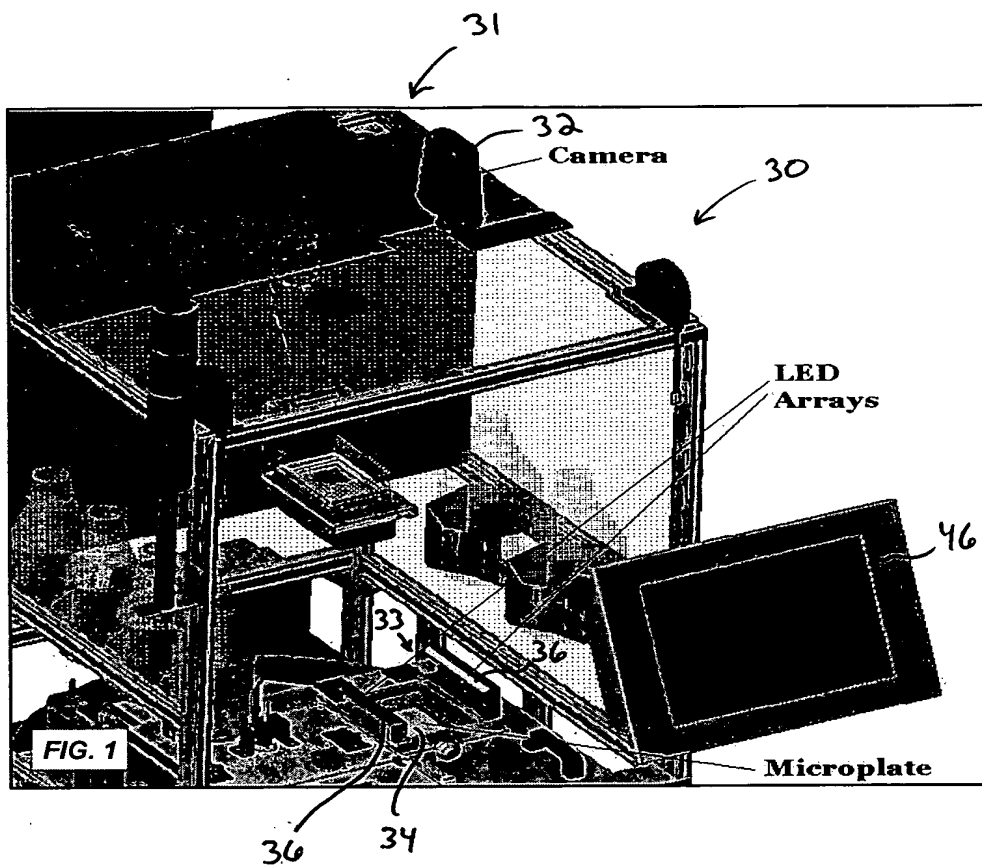
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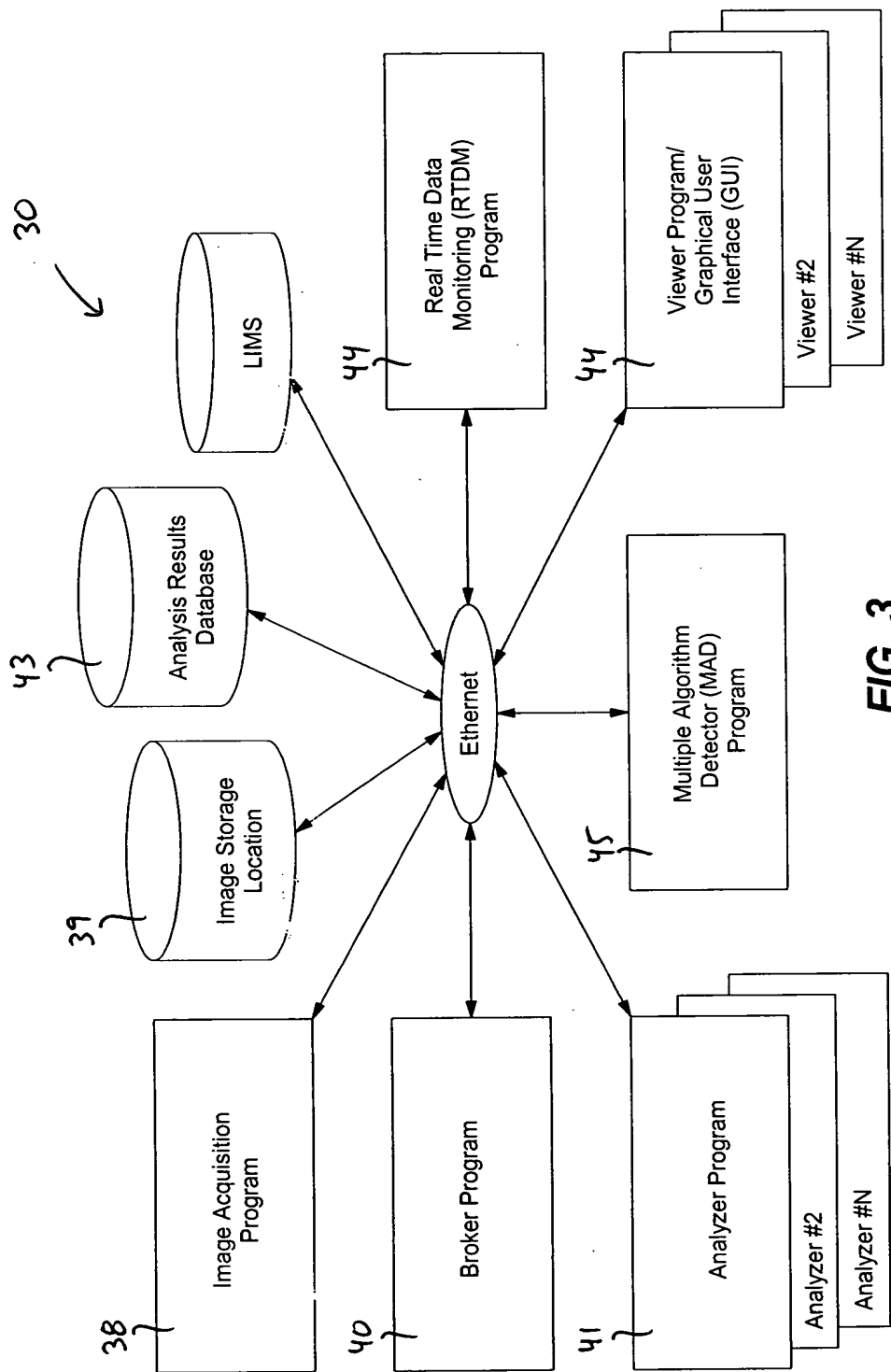


FIG. 3

FIG. 4

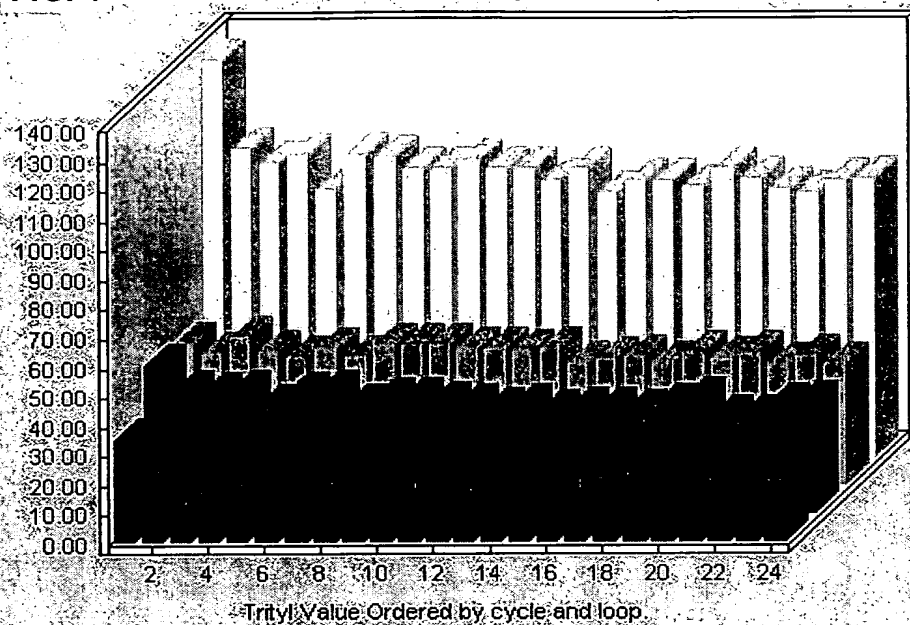
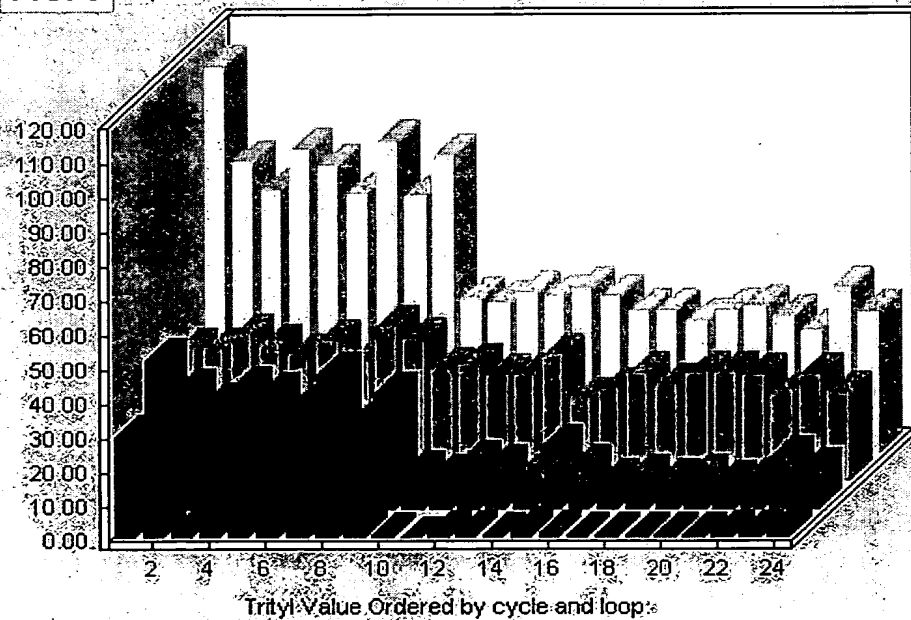


FIG. 5



Machine 1 - Plate 4 - Cycle Number 12

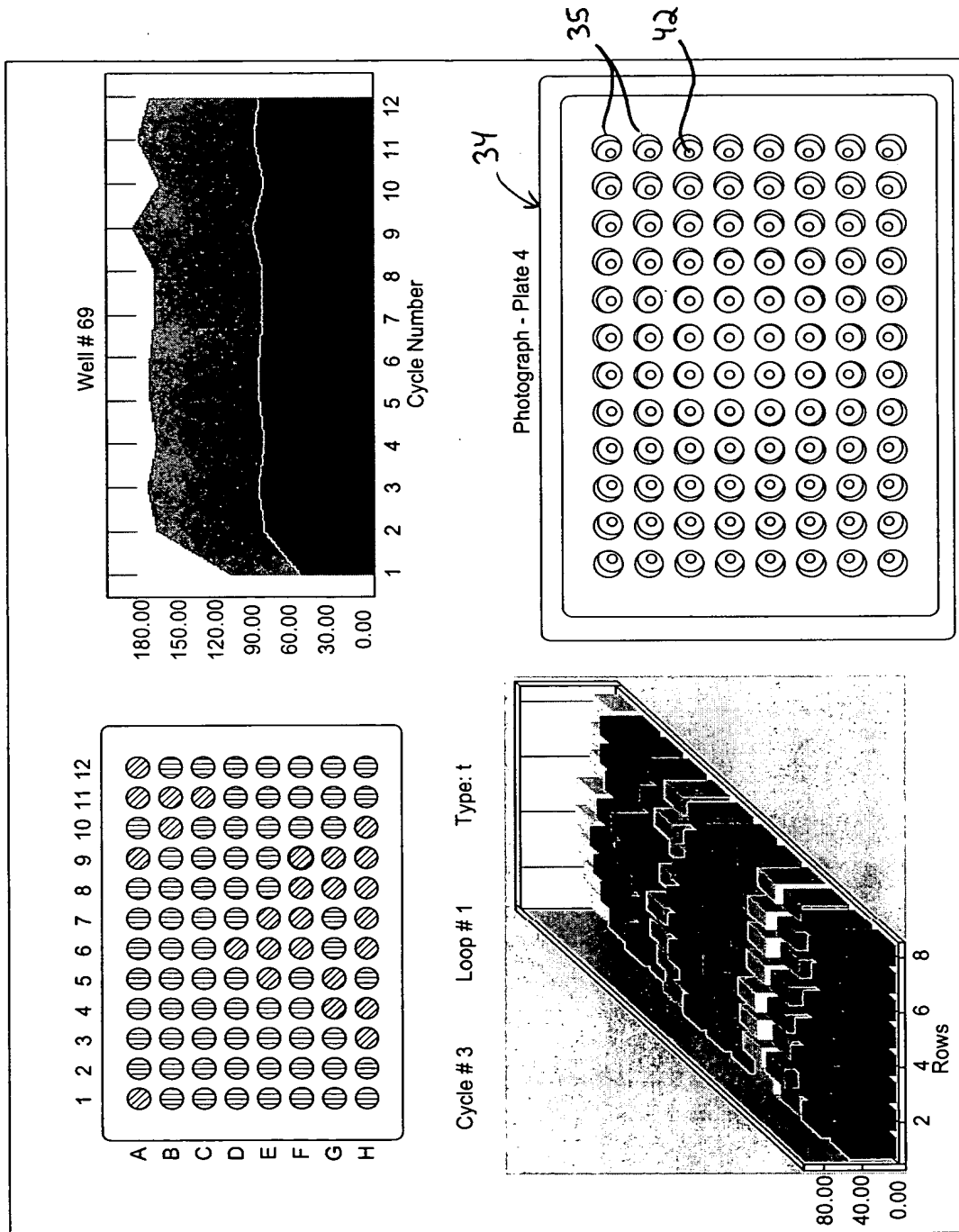


FIG. 6

Oligonucleotide
Manufacturing
Real Time Monitoring
Graphical User Interface

Disconnect

Real Time Mode

Machine ID

Type

Batch #

Restarts

Cycle #

Total Cycles

Start Time

Failures

Progress

| | | | | | | | | |
|------------|--------|--------|---|----|----|---------|-----|-----|
| Machine #1 | Type 1 | 123456 | 0 | 0 | 0 | Unknown | 0 | 0% |
| Machine #2 | Type 1 | 123457 | 0 | 0 | 0 | Unknown | 0 | 0% |
| Machine #3 | Type 2 | 123458 | 1 | 19 | 75 | 2:30 | 9 | 25% |
| Machine #4 | Type 2 | 123459 | 0 | 14 | 34 | 3:45 | 200 | 41% |
| Machine #5 | Type 2 | 123460 | 0 | 21 | 34 | 4:00 | 1 | 61% |

Refresh Data

Status: Connected...

FIG. 7

FIG. 8 Yield for diminishing coupling efficiencies

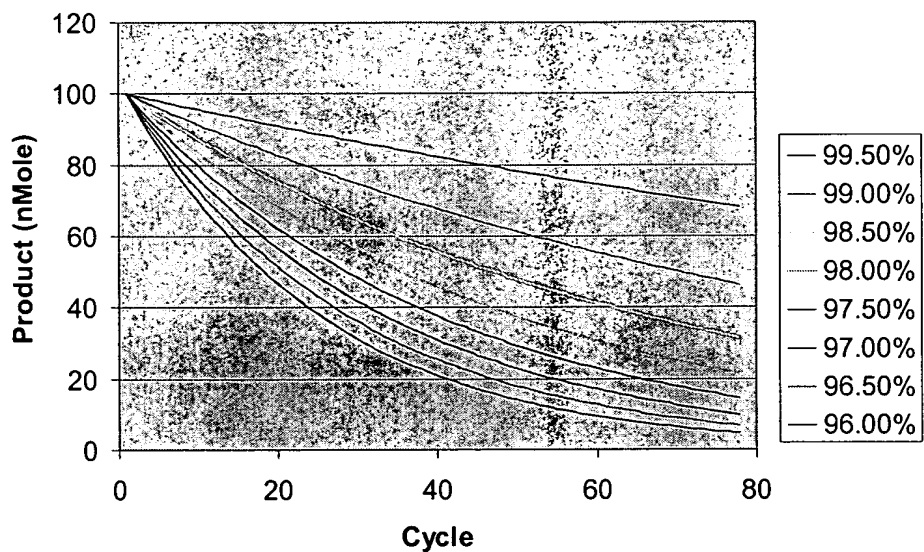
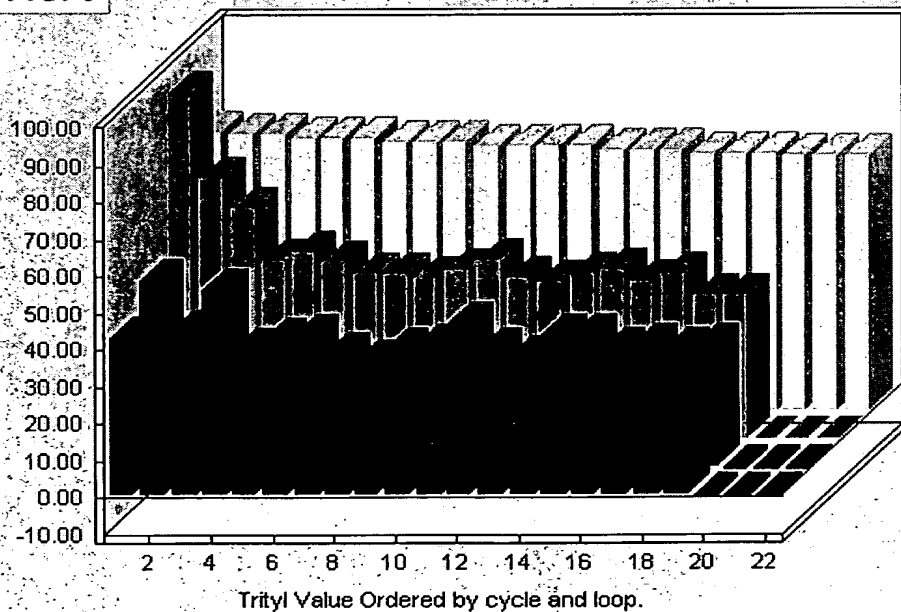
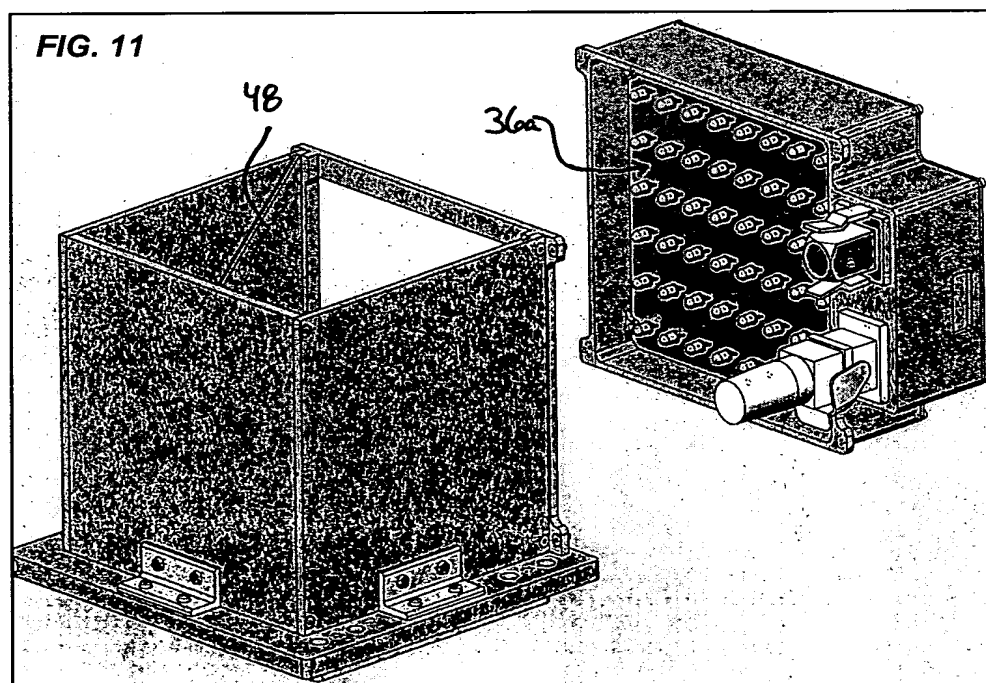
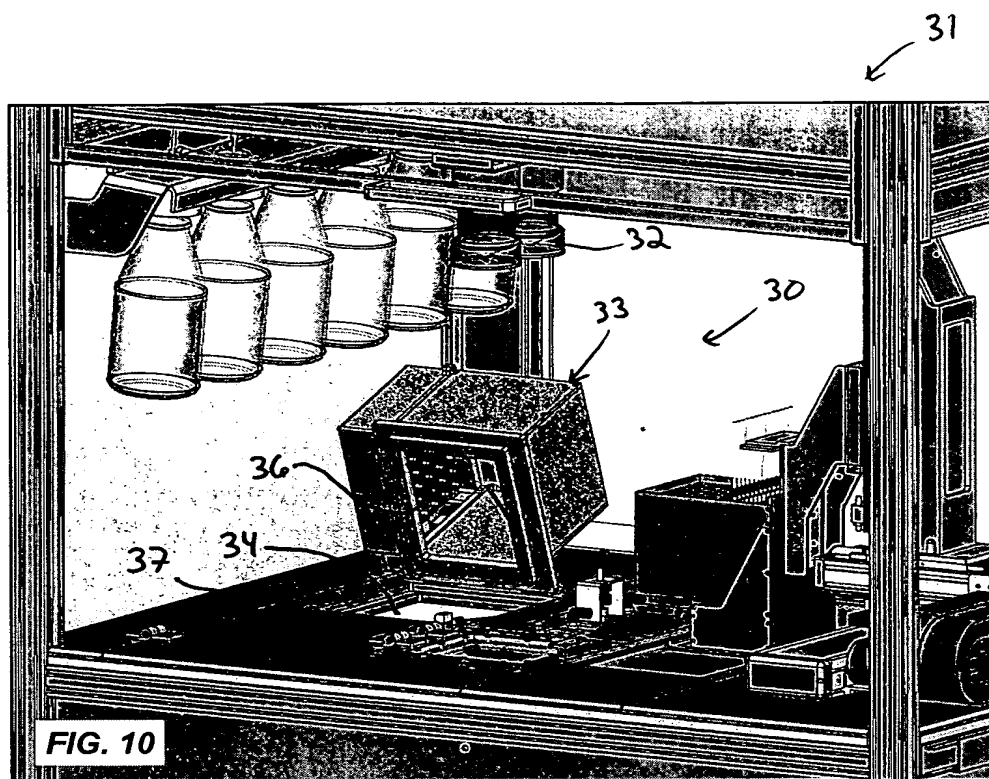


FIG. 9





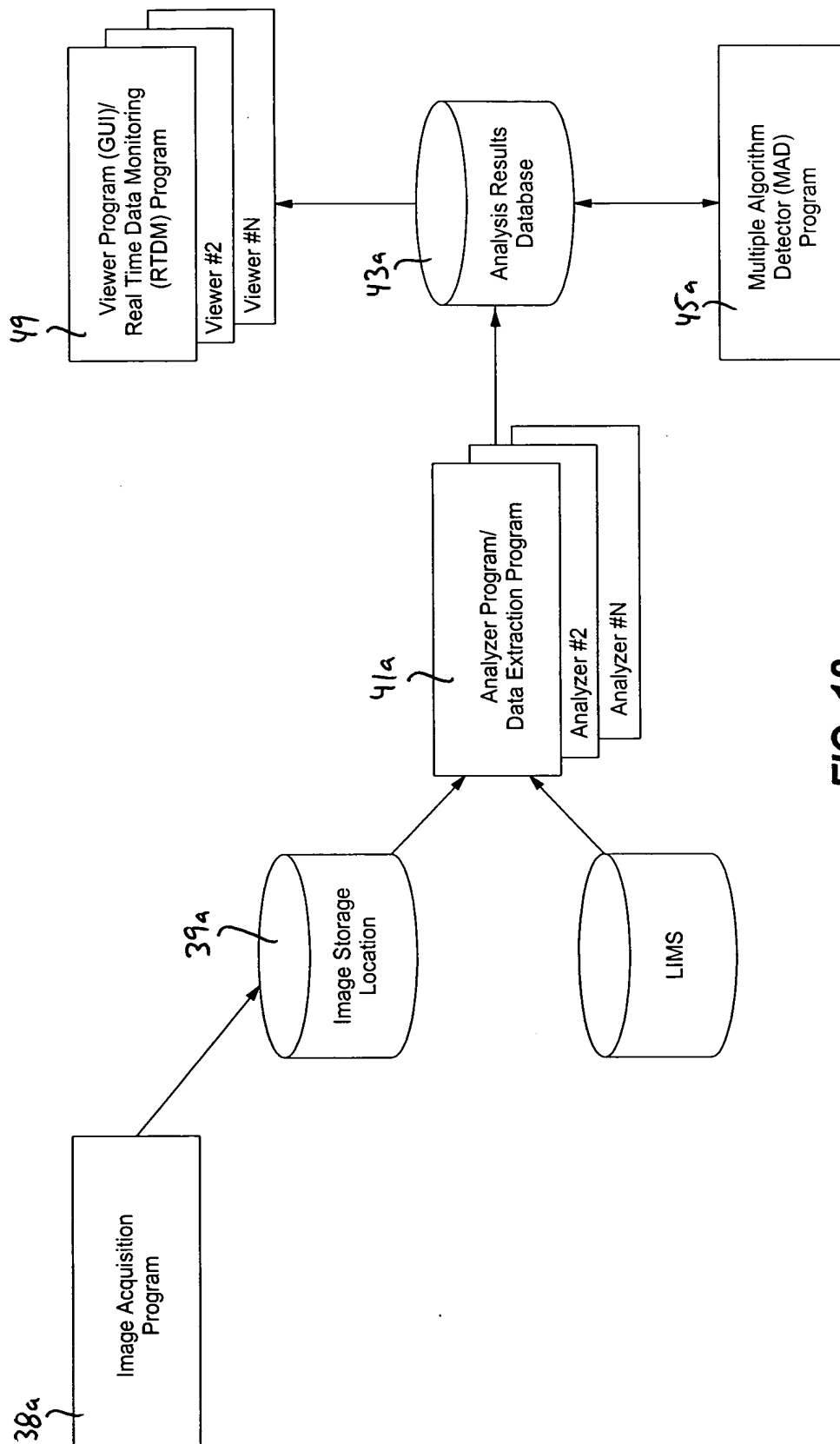


FIG. 12